

**Notice of Allowability**

Application No.

10/808,944

Applicant(s)

VARGA ET AL.

Examiner

Tuan N. Nguyen

Art Unit

2828

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03/22/2007.
2. ☒ The allowed claim(s) is/are 1,3-6,8-11,13-19 and 21-28.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

## DETAIL ACTION

### *Response to Amendment*

1. In responding to applicant's amendment filed 03/22/2007, claims 1, 3-6, 10-11, 14-17, 19 have been amended, claims 2, 7, 12, 20 have been canceled.

## REASON FOR ALLOWANCE

### *Allowable Subject Matter*

2. The following is an examiner's statement of reasons for allowance - Applicant's response filed on 03/22/2007 has been considered, with respect to claims 1, 6, 11, 19, 22 the references of the record fail to teach or suggest a temperature compensation system and method for compensating thereof comprising :

#### **Claim 1:**

The laser with first and second potentiometer, an optical communication analyzer, and computer system where the *laser driver and the optical analyzer provides a third and fourth signals* based on the second potentiometer value, *the computer drive the third and receive the fourth signal* to update a second resistance value based on a second known value from *the second potentiometer, the fourth signal, and the second desired laser output parameter*.

#### **Claim 6, 11, 19:**

wherein the processor compensation is to select a third setting for a second potentiometer for controlling a the laser modulation current, while receiving an extinction ratio of the laser diode, and *calculate a fourth resistance setting for the second potentiometer based on the third*

*resistance setting for the second potentiometer, the measurement of the extinction ratio, and a desired extinction ratio.*

**Claim 22:**

a laser with a first potentiometer controlling a bias current of the laser, and a second potentiometer for controlling a modulation current of the laser, *wherein a first value of the first potentiometer is set for a specific temperature by selecting a second value for the first potentiometer, measuring an average power of the laser; and calculating the first value for the first potentiometer based on the second value for the first potentiometer, the measured average power, and a desired average power; and wherein a third value of the second potentiometer is set for the specific temperature by selecting a fourth value for the second potentiometer; measuring an extinction ratio of the laser; and calculating the third value for the second potentiometer based on the fourth value for the second potentiometer, the measured extinction ratio, and a desired extinction ratio.*

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Communication Information**

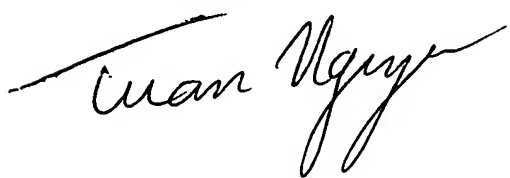
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harvey Minsun can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan N. Nguyen

  
MINSUN OH HARVEY  
PRIMARY EXAMINER  
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